

Science Fair Project

All Projects Should Include The Following:

1. Title

Something that grabs people's attention and is creative

Ex. Paper Towel Madness

2. Problem

The question you are attempting to solve with the experiment

Ex. Which paper towel-Bounty, Brawny, or Economy Brand will absorb the most water?

3. Hypothesis

Your educated guess to the question with an explanation

Ex. I think that Bounty will absorb the most water **because** it is thicker than the others

4. Materials

List everything you used in the experiment, its size, and how much of it you used

Ex.

1. 1 Styrofoam cup
2. 1 200 mL glass beaker
3. 1 100 mL plastic graduated cylinder
4. 3 sheets of Bounty
5. 3 sheets of Brawny
6. 3 sheets of Economy-Brand
7. 1 (9 x 11) aluminum pan
8. 16 oz. tap water

5. Procedure

The step-by-step process of what you did in the experiment

Ex.

1. Fill Styrofoam cup with tap water.
2. Pour Styrofoam cup's contents into aluminum pan.
3. Place one sheet of Bounty in the pan to absorb water.
4. Take saturated Bounty sheet and wring it out into beaker.
5. Repeat steps 1-4.
6. Pour beaker contents into graduated cylinder.
7. Measure and record the contents of graduated cylinder.
8. Empty the water into aluminum pan.
9. Repeat steps 1-7 with Brawny and Economy-Brand.

6. Observations/Data

Explains what happened during the experiment. Photos can accompany this.

Ex. Bounty absorbed 178 mL of water

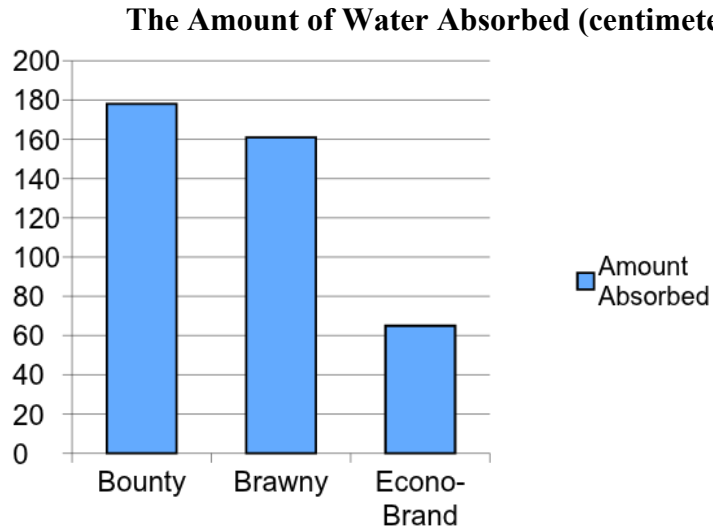
Brawny absorbed 161 mL of water

Economy-Brand absorbed 65 mL of water

7. Results

Observations/Data expressed in a chart or a graph with titles/labels

Ex.



Brands of Paper Towels

8. Conclusion

1. Was your hypothesis correct? (Compare your hypothesis to the results)
2. Explain why you think you got the results that you did
3. Explain what could have affected your results (List three possible errors)
4. Explain what you could have done differently (List three possibilities)
5. Explain what you learned.

Ex. My hypothesis was correct because Bounty was the most absorbent of the three brands. I think this is because it was the thickest, which could mean that the materials used to produce it were of higher quality. Some errors in my experiment could have occurred if: I did not use the same amount of water each time, I did not ring each towel out the same way, or my paper towels were not exactly the same size. Next time I might try: using the same priced towels, using a different liquid like juice or changing the temperature of the water, to see if it makes a difference. I learned that quality and performance of a product could be related to the price you pay. This is because the price usually has something to do with the quality of materials that are used.

9. Log Book (4th-8th grade)

Daily accounts of everything you did during the project. Must be dated

This is where your observations and data are first written.

10. Research Paper (Only required for 7th and 8th grade)

Two page paper that includes information on your topic. This can be facts or how the object(s) are used in the real world. Should include bibliography.